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United States Department of Agriculture MONTHLY LIST OF PUBLICATIONS

MAY, 1930

Send no remittances to the U. S. Department of Agriculture

A copy of any of the general publications listed herein, except those otherwise noted, may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts. Free distribution of periodicals is restricted.

After the department's supply is exhausted, publications may still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices stated herein.

Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

GENERAL PUBLICATIONS

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

The principles of the liming of soils. Edmund C. Shorey, Bureau of Chemistry and Soils. 22 p., figs. 6. (Farmers' Bulletin 921 F., Revised.) Price, 5¢.

The farm lease contract. L. C. Gray and Howard A. Turner, Bureau of Agricultural Economics. 36 p. (Farmers' Bulletin 1164 F., Revised.) Price, 5¢.

Seed marketing hints for the farmer. George C. Edler, Bureau of Agricultural Economics. 32 p., figs. 14. (Farmers' Bulletin 1232 F., Revised.) Price, 5¢.

Farmers' telephone companies: Organization, financing, and management. I. M. Spasoff and H. S. Beardsley, Bureau of Agricultural Economics. 30 p., figs. 3. (Farmers' Bulletin 1245 F., Revised.) Price, 5¢.

Preparation of fresh tomatoes for market. F. Earl Parsons, Bureau of Agricultural Economics. 32 p., figs. 20. (Farmers' Bulletin 1291 F., Revised.) Price, 5¢.

Lettuce growing in greenhouses. James H. Beattie, Bureau of Plant Industry. 22 p., figs. 10. (Farmers' Bulletin 1418 F., Revised.) Price, 5¢.

Feeding cattle for beef. W. H. Black, Bureau of Animal Industry. 17 p., figs. 10. (Farmers' Bulletin 1549 F., Revised.) Price, 5¢.

Varieties of hard red spring wheat. J. Allen Clark. 26 p., figs. 16. (Farmers' Bulletin 1621 F.) Price, 5¢.

There are 23 recognized registered varieties of hard red spring wheat commercially grown in the U. S. This bulletin lists these varieties and tells where they are grown and to what regions they are best adapted. Supersedes F. B. 1281.

Rural buildings for business and social uses. Wayne C. Nason, Bureau of Agricultural Economics. 38 p., figs. 21. (Farmers' Bulletin 1622 F.) Price, 10¢.

Supersedes Department Bulletin 825 and Farmers' Bulletins 1192 and 1274. Suggests the newer trend of planning community houses for the combined purposes of business and recreation, gives floor plans, and cites successful examples.

Growing black locust trees. Wilbur R. Mattoon, Forest Service. 14 p., figs. 10. (Farmers' Bulletin 1628 F.) Price, 5¢.

Black locust, like most forest trees, is naturally adapted to growing in certain types of soils and situations better than others. Before attempting to plant black locust, it is of the utmost importance that information and advice be sought from the local State forestry agencies, as a necessary supplement to that contained in this bulletin.

Steam sterilization of soil for tobacco and other crops. James Johnson, Bureau of Plant Industry and University of Wisconsin. 14 p., figs. 7. (Farmers' Bulletin 1629 F.) Price, 5¢.

Describes equipment necessary for soil sterilization by the steam-pasteurization method. Advice is also given relative to the details of preparing the soil, performing the work, and the subsequent management of the sterilized soil. Suggests modifications to suit special needs and requirements.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins, except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Making a model to show how forests prevent erosion. Prepared by the Forest Service. [3] p., illus. (Leaflet 58 L.) Price, 5¢.

Describes the preparation of a model of comparatively simple construction which can be made by any school, 4-H club, or other group, that will clearly show the effect of forest cover in soil and water conservation.

Porcupine control in the Western States. Ira N. Gabrielson and E. E. Horn, Bureau of Biological Survey. 8 p., figs. 6 (Leaflet 60 L.) Price, 5¢.

Describes the habits of porcupines and outlines methods of controlling them where overabundant. The methods are based on the seasonal movements and feeding activities of the animals. Recommends systematic hunting and shooting, also poisoning with a strichnine-salt mixture, formula and directions for which are given.

DEPARTMENT BULLETINS

The Department Bulletins are technical or scientific in nature and apply to a special crop, industry, or locality. This series ends with No. 1500, and is succeeded by the Technical Bulletin series. The editions are limited.

Forestry lessons on home woodlands. Wilbur R. Mattoon, Forest Service, and Erwin H. Shinn, Office of Cooperative Extension Work. 44 p., figs. 20, frontispiece. (Department Bulletin 863 D., Revised.) Price, 10¢.

Outline studies on the identification of important local forest trees; proper location of woodlands on the farm and their economic value to the farm; the different farm timber products; measuring and marketing timber; utilizing timber rightly on the farm; protecting and improving woodlands; and planting young timber.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

Cooperative marketing of fluid milk. Hutzel Metzger, Bureau of Agricultural Economics. 92 p., figs. 11. (Technical Bulletin 179 T.) Price, 20¢.

Presents the principal findings of a survey made of the development and methods of operation of each fluid-milk marketing organization in the U. S. in its particular market and of the economic conditions under which the organization operates.

Clubroot of crucifers. F. L. Wellman, formerly agent, Bureau of Plant Industry. 32 p., figs. 3. (Technical Bulletin 181 T.) Price, 5¢.

Reports the results of several years' studies on the life history and control of *Plasmodiophora brassicae*, the cause of the destructive disease of crucifers known as clubroot. Two tons of hydrated lime per acre was found to be a commercially satisfactory control.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Market classes and grades of dressed veal and calf carcasses. W. C. Davis and C. M. Harris, Bureau of Agricultural Economics. 32 p., fig. 1, pls. 18. (Circular 103 C.) Price, 25¢.

This circular is a valuable addition to the series of standardization publications issued by the Bureau of Agricultural Economics.

Knotty lumber for boxes. G. E. Heck and I. B. Lanpher, Forest Service. 20 p., figs. 15. (Circular 105 C.) Price, 10¢.

Recommends use of knotty material in several parts of wooden boxes; recommendations are based on tests, extensive experience, and observation of containers in service. Of interest to the box manufacturer and ultimate consumer, and to the forester and timber owner as well.

An analysis of the business of the poultry producers of central California. A. V. Swarthout, Bureau of Agricultural Economics. 52 p., figs. 17. (Circular 111 C.) Price, 10¢.

Includes such topics as organization of the association, membership relations, analysis of the market, and benefits to members.

The production of hyacinth bulbs. David Griffiths, Bureau of Plant Industry. 35 p., figs. 19. (Circular 112 C.) Price, 10¢.

Describes in detail the various steps in the culture and production of the hyacinth. Soil, fertilizer, and storage requirements are given, also instructions for both artificial and natural propagation of the bulb.

The sugar-beet leaf-spot disease and its control by direct measures. G. H. Coons, Dewey Stewart, and F. G. Larmer, Bureau of Plant Industry. 20 p., figs. 7. (Circular 115 C.) Price, 5¢.

Of interest to sugar-beet companies and growers in areas where the leaf-spot disease is a factor in sugar-beet growing. Experiments demonstrate the possibility of control by dusting with copper sulphate-lime dust and by Bordeaux mixture.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars. **Essentials for the successful operation of a local creamery.** William White, Bureau of Dairy Industry. 12 p., figs. 3. (Miscellaneous Publication 37 MP., Revised.) Price, 5¢.

Answers such questions as: "Do conditions warrant establishing a creamery in the community?" "What are the problems involved in such a venture?" and "What is the minimum volume of cream required for the successful operation of a creamery?" **Weather forecasting from synoptic charts.** Alfred Judson Henry, Weather Bureau. 80 p., figs. 31. (Miscellaneous Publication 71 MP.) Price, 20¢.

Contains reproductions of typical weather charts for winter and summer seasons together with official forecasts issued therefrom and so far as practicable a statement of the underlying reasons for the forecasts. A study of these will lead to a better understanding of weather processes.

An annotated list of the important North American forest insects. Compiled by F. C. Craighead and William Middleton, Bureau of Entomology. 31 p. (Miscellaneous Publication 74 MP.) Price, 10¢.

Method of testing the capacity of fruit and vegetable containers under the United States standard containers acts. H. A. Spilman and T. C. J. Baker, Bureau of Agricultural Economics. 14 p., figs. 9. (Miscellaneous Publication 75 MP.) Price, 5¢.

The standard container acts of 1916 and 1928 place upon the Department the duty of making capacity tests of baskets to determine whether they comply with the law. This publication describes in detail the method and apparatus used and tells how to make the test.

An annotated list of literature references on garment sizes and body measurements. Ruth O'Brien, Bureau of Home Economics. 48 p. (Miscellaneous Publication 78 MP.) Price, 10¢.

Of interest to garment and pattern manufacturers concerned with the problem of sizing garments for American children and adults. The dearth of authentic information points out the need for scientifically executed anthropometric studies, carefully planned for this particular purpose.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Information, instructions, rulings, etc., for April, 1930, concerning the work of the Bureau of Animal Industry. (S. R. A.-B. A. I. 276.) pp. 29-36. Price, 5¢.

Notice of permit requirement for the entry of Aglaonema. May 8, 1930. Plant Quarantine and Control Administration.

Notices of judgment under the food and drugs act. N. J., F. D. 16776-16800. pp. 489-513.

Regulations pursuant to Public Resolution No. 42, Seventy-first Congress, entitled "Joint resolution to amend the joint resolution entitled 'Joint resolution to provide for eradication of pink bollworm and authorizing an appropriation therefor,' approved May 21, 1928," approved February 8, 1930. (P. Q. C. A. Reg.) 4 p.

OTHER PUBLICATIONS

Directory, Forest Service. April, 1930. 34 p. Price, 5¢.

Report of the Hawaii Agricultural Experiment Station, 1929. J. M. Westgate and others. 34 p., figs. 9. Price, 10¢.

A brief account of the work of the station during the year on soils and with various field crops, fruits, nuts, vegetables, grasses, and other forage crops, and green manure crops; distribution of improved fruits and other plants; and demonstration and extension work.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 14, No. 5. May 1, 1930. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.¹

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Climatological data. Vol. 17, No. 1, January, 1930; No. 2, February, 1930.

In 42 sections, containing weather statistics for 42 separate sections, each corresponding, as a rule, to a State. Monthly information for 1 section is 50¢ a year; for data regarding all 42 sections, 35¢ a month, or \$4 a year.¹ Not for general distribution.

¹ See footnote on p. 4.



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Crops and markets. Vol. 6, Index, 1929; Vol. 7, No. 4, April, 1930. Price, 5¢ a copy; 60¢ a year, domestic; 85¢ a year, foreign.¹

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, condition and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3.00 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, \$2.40 a year.¹

Experiment station record. Vol. 61, index number, July-December, 1929. Single numbers for sale only. Price, 10¢.¹

A technical review of the world's scientific literature pertaining to agriculture. Two volumes a year, of 10 numbers each; 75¢ a volume, domestic; \$1.25 a volume, foreign.

Extension service review. Vol. 1, No. 2. June, 1930. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Forest worker. Vol. 6, No. 2. February, 1929. Price, 5¢ a copy; 25¢ a year, domestic; 35¢ a year, foreign.¹

News of State forestry, forestry education, private forestry, and the work of the Forest Service.

Journal of agricultural research. Price, 20¢ a copy; \$4 a year, domestic; \$5.25 a year, foreign. Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work. Separates of articles are distributed free to those desiring them as long as the limited supply lasts.

— Vol. 40, No. 9. May 1, 1930. Illus.

CONTENTS:

Pecan leaf blotch. (G-723.) J. B. Demaree and J. R. Cole.

Cell-sap concentration and transpiration as related to age and development of cotton leaves. (G-709.) Frank M. Eaton.

Diseases of rose caused by Species of *Coniothyrium* in the United States. (G-725.) Alma M. Waterman.

Inheritance of certain seed-coat colors in soybeans. (Iowa-18.) Ralph T. Stewart.

The normal limits of variation of the methylene-blue reduction test. (Kans.-58.) A. C. Fay.

Sex differences in the normal growth rate of chicks. (Nebr.-11.) C. W. Ackerson and F. E. Mussehl.

— Vol. 40, No. 10. May 15, 1930. Illus.

CONTENTS:

A study of the structure of sugar beets in relation to sugar content and type. (G-724.) Ernst Artschwager.

Toxicity of *Bikukulla formosa* (western bleedingheart). (G-729.) O. F. Black, W. W. Eggleston, and J. W. Kelly.

Ferric citrate as an ingredient of mineral mixtures in paired-feeding experiments with growing swine. (Ill.-37.) W. E. Carroll, H. H. Mitchell, and G. E. Hunt.

The production and cure of nutritional anemia in sucking pigs. (Ill.-38.) T. S. Hamilton, G. E. Hunt, H. H. Mitchell, and W. E. Carroll.

Linkage studies with "slashed" and "glossy" of the "BN" linkage group in maize. (Minn.-66.) H. E. Brewbaker.

Toxicity of sulphur to spores of *Sclerotinia cinerea* as affected by the presence of pentathionic and other sulphur acids. (Ohio-9.) O. Neal Liming and H. C. Young.

Monthly weather review. Vol. 58, No. 1, January, 1930; No. 2, February, 1930. Illus. Price 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.¹ Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretive summary, and (3) climatological tables.

The official record. Vol. 8, Index: Vol. 9, Nos. 18-22. May 1, 8, 15, 22, 29, 1930. Price, 5¢ a copy; 50¢ a year, domestic; \$1.10 a year, foreign.¹

Contains official orders and miscellaneous information concerning the department's activities and such other matter as should be brought to employees' attention.

Weekly weather and crop bulletin. Price, 50¢ a year, domestic; \$1 a year, foreign.¹

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.